CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

Job No.: CTCE/BBMP/AB/W.No.13/CSR-25t/CEMENT/2020-21 Date: 12.02.2021

TEST REPORT ON CEMENT

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Amarappa.B,** No.757/3, Govt. College Road, Peenya Industrial, Bangalore – 560058.
* Name of Work	:	Removing of debris in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/179/2020-21 Dated : 05.02.2021
* Sample ID	:	Cement
Sample Received on	:	11.02.2021
Period of Testing	:	11.02.2021 to 12.02.2021
Report Issue Date	:	12.02.2021

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	Standard Consistency	IS-4031 (Part -4) 1988 (RA-2019)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988 (RA-2019)	185 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988 (RA-2019)	380 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988 (RA-2019)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Basaveshwaranagar, Bangalore-560 079.

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Job No.: CTCE/BBMP/AB/W.No.13/CSR-25t/SAND-Gradation/2020-21

12.02.2021

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Amarappa.B,** No.757/3, Govt. College Road, Peenya Industrial, Bangalore – 560058.
* Name of Work	:	Removing of debris in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
*Reference	:	EE/DD/WO/179/2020-21 Dated : 05.02.2021
*Sample ID	:	Sand For Pointing
Test Method As Per	:	IS : 1542 : 1992 (RA-2019)
Sample Received on	:	11.02.2021
Date of Testing	:	12.02.2021
Report Issue Date	:	12.02.2021

Total Wt. of Aggregates in gms **1000**

Is Sieved Size in mm	Cumulative Weight Passing in %	Specification Limits as per IS : 1542 - 1992 (RA-2019)
10	100	100
4.75	98.70	95-100
2.36	97.10	95-100
1.18	94.60	90-100
600 Micron	88.60	80-100
300 Micron	45.40	20-65
150 Micron	9.80	0-15

* Information is furnished by the Customer/Representative

Remarks : This tested sample satisfies requirement.

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Job No.: CTCE/BBMP/AB/W.No.13/CSR-25t/Precast Slab/2020-21

18.02.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Amarappa.B,** No.757/3, Govt. College Road, Peenya Industrial, Bangalore – 560058.
* Name of work	:	Removing of debris in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/179/2020-21 Dated : 05.02.2021
* Sample ID	:	Precast Slab (100mm thick)
* Grade of Concrete	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	17.02.2021
Date of Testing	:	18.02.2021
Report Issue Date	:	18.02.2021

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.392	2559.54	1.56	0.952	29.25	14.90	16.09	16.89	21.11
2	50.00	80.00	0.399	2540.11	1.60	0.957	32.80	16.70	18.04	17.26	21.58
3	50.00	82.00	0.410	2546.48	1.64	0.961	33.95	17.29	18.67	17.95	22.4

* Information is furnished by the Customer/Representative

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

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#23/14, 7th Cross 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.